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Hauptverwaltung (H.V.) Metallurgie: Planned Production Capacity Increase according to 1952 Investment Plan (3 November 1951)

Iron Industry

- 1. In order to make various ores available for smelting, a number of malleable iron plants (Rennanlagen), as well as roasting and sintering plants, will be required. For example, the reduction of ores into iron billets in the malleable iron plants will require the construction in 1952 of the first group of furnaces (two furnaces). As regards sintering plants, the extension of the plant in the Fisenhuettenkombinat Ost at Fuerstenberg/Oder and the construction of a plant at Calbe should be mentioned.(1)
- 2. The extension of furnace capacity in the smelting works involves the construction of two further blast furnaces at Fuerstenberg/Oder so that by the end of 1952 there will be altogether four blast furnaces there. At the YEB Maxhuetta, Unterwellenborn, a furnace similar to the Fuerstenberg type will be installed as compensation for the small plast furnace which will not, as planned, be built in 1953. The low shaft (Niederschacht) furnaces in Calbe will be extended from 2 to 10 furnaces.
- 3. An increase in the production capacity of Siemens Martin(SM) steel in 1952 is not envisaged. The purpose of the installation of a 40 ton SM furnace at the Stahl- und Walzwerk Wilhelm Florin Hennigsdorf, VEB, is to permit the alteration at the same time of an 80-ton SM furnace into a 40-ton furnace. The reason for this alteration is to improve the quality of the steel. Production of higher quality steel will enable requirements in wire ropes, welding wires, etc., to be met.

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- 4. Electric steel capacity will be increased through the installation of a 5 and 10 ton-electric furnace at Stahl- und Walzwerk Groeditz, VEB. Two 10-ton electric furnaces are being installed at Doehlen(2). The production of roller castings will be improved by the installation of a 15-ton electric furnace at the Walzen-Giesserei Coswig, VVB EFW.
- 5. An increase in the DDR steel production in respect to the smelting of high quality steel demands an increased production of ferroalloys. In consequence, a further 7500 KVA furnace has been included in the plan for the ferroalloy plant at Ferrolegierungswerk Mueckenberg, VEB.
- 6. Rolling capacity will be increased through the new rolling mills at Edelstahlwerk Doehlen, Stahl- und Walzwerk Brandenburg, VEB, and Stahl- und Walzwerk Riesa, VEB. A 650 cogging mill, made at Wildau(3), has been successfully installed at Edelstahlwerk Doehlen. An 850 mill is planned for Brandenburg for semis(4) and profile iron, which will also be made at Wildau(3). On the other hand, the 850 breaking down mill planned for Riesa (production of semis for tube 50X1-HUM works, and profile iron) will be delivered The old tube works at Riesa are being modernized through the installation of a "Mass- und Glatt" rolling mill, delivery of which from Wildau has, however, been delayed until March 1953. It will increase capacity by 2000 tons per year and will effect a great improvement in the quality of tubes. The 1050 rolling mill, which is so important for Brandenburg, will be developed in the DDR. As regards the delivery of a continuous billet and slab mill for Brandenburg, negotiations with Czechoslovakia are now in progress, but the mill has not been included in the planning for 1952. The modernization of other rolling mills, particularly that at Hennigsdorf, must be postponed. In view of the fact that the SAG administration at the Walzwerk fuer Buntmetall, SAG Marten, at Hettstedt, is planning a strip rolling mill, the construction of a similar mill at Finow has been cancelled to avoid over-production. (5)
- 7. With regard to the development of the Electric Power Reconstruction Program, the erection of a large forge (Grossschmiede) at Stahl- und Walzwerk Groeditz, VEB, where turbine armatures (Laeufer) will be manufactured, is particularly important. For 1952 the construction of hydraulic presses as follows is envisaged: one 1000-ton, one 2000-ton, and one 6000-ton. The latter will be made through the collaboration of the Ministry of Machine Construction and Czechoslovakia.

Nonferrous Industry

- 8. As the mechanization of the copper ore mining industry involves the production of increasing quantities of fine ore which are not suitable for smelting in shaft furnaces, the fine ore must be produced in large pieces ("Stueckige Form"). The construction of a large sintering plant at the August Bebelhuette VYB WMW, at Zella-Mehlis, has therefore been begun. Modernization of the foundry and the completion of the three-furnace project at the Karl Liebknecht-Huette (6) will mean that the VVB Mansfeld Kombinat will have the necessary shaft furnace capacity to smelt the ore produced. The copper foundry will be extended through the addition of a refining furnace. Copper electrolysis will also be extended by 50%. The lead foundry in the Mansfeld Kombinat will be extended by a third shaft furnace.
- 9. In conformity with the increased demand for lead ore, the smelting capacity of Huettenwerk Muldenhuetten, VVB Buntmetall, for coarse smelting, and Huettenwerk Halsbruecke VVB Buntmetall, for fine smelting, will be increased. The installation of a new refining plant at Muldenhuetten will enable the separation in the production of lead into separate departments for rich and low bismuth content respectively.

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- 10. The reconstruction of the sulphuric acid contact plant begun in 1951 will be completed in 1952(7). The building of a zinc foundry at Muldenhuetten for the production of zinc by electrolysis from the zinc blende obtained from the Freiberg lead ore mines, has begun. A vacuum smelting plant will be installed at the Berliner Metallhuetten und Halbzeugwerke (BMH), VEB, in order to produce zinc for rolling from zinc scrap.
- 11. Corresponding with the preparatory measures for the production of nickel ore, preliminary work in connection with the building of a crude and a fine nickel foundry respectively will be started in 1952. The capacity of the VEB Nickel-huette, Aue, to smelt raw material with low nickel content will involve the installation of a fourth flame furnace. The capacity increase will be from the existing 1.5 2 tons to 3 tons per day. At the Halbzeugwerk Auerhammer (VVB WZ), a quarto rolling mill housing (Quartowalzengeruest) will be installed to roll strips of iron, chrome-nickel and chrome-molybdenum alloys, also foil-rolling equipment for the production of copper, tombac, and brass foil.
- 12. Statistics of planned capacity increases in 1952 are given in the appendix.

II. Alterations to the preliminary Investment Plan (9 November 1951)	50X1-HUM

1. Eisenhuettenkombinat Ost, Fuerstenberg/Oder, VVB EFW

The projection of plans must be so arranged that the 3rd and 4th blast furnaces will start functioning on 1 May and 1 September 1952 respectively.

2. Eisenwerke West, Calbe/Saale, VVB EFW

Planning must ensure that the functioning of furnaces No. 3-10 will be safeguarded.

3. Maxhuette VEB

The construction of an automatic steel mill is to be postponed until 1953.

4. Edelstahlwerk Doehlen, VEB

In the steel works only two 10-ton electric furnaces will be installed in 1952. These will be delivered by the Allgemeine Elektrizitaets-Gesellschaft (AEG). They were originally ordered by Groeditz and paid for by them. Whether they will be put into operation will depend on developments in connection with the Trade Agreement. In the rolling mill only the 605 mill has been included provisionally in the plans for 1952 as the delivery of the Czechoslovak mill has been postponed until 1953.

5. Stahl- und Walzwerk Brandenburg, VEB

The additional project for a wire mill has been postponed until 1953. Only the 850 mill will be built in 1952. Plans for the 1050 cogging mill remain. Planning urgency will be governed by the need to ensure the operation of the 850 mill.

6. Stahl- und Walzwerk Riesa, VEB

The plan for a manganese hard steel improving furnace at the steel works has been cancelled.

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7. Stahl- und Walzwerk Groeditz, VEB

The following are alterations to the preliminary plan: One 5-ton and one 10-ton electric furnace will be installed. Manufacturer: VEM Lokomotivenbau Elektrotechnische Werke (LEW) VEB, Hennigsdorf. An additional 6,000-ton press for the large forge is planned; delivery is to be through the collaboration of Machine Construction and Czechoslovakia. Order of urgency: 5-ton electric furnace, delivery end of first quarter 1952; 10-ton electric furnace, delivery provisionally third quarter 1952.

8. Stahl- und Walzwerk Wilhelm Florin, Hennigsdorf, VEB

One 40-ton SM furnace is to built and one 80-ton SM furnace is to be converted into a 40-ton furnace.

9. Kupfer und Blechwalzwerk Michael Niederkirchner, Ilsenburg, VVB Vesta

No alteration except for the dropping of the plan for the medium sheet metal rolling mill. Planning at this plant should be guided by the aim to achieve full capacity in the thick sheet metal mill by 1 May 1952. This date, however, should be reviewed in view of negotiations with the Thaelmannwerke at Suhl.

10. Leichtmetallwerk Rackwitz, VEB

Alterations involve the cancellation of plans for smelting, grinding, processing, and light construction shops, as well as minor items.

11. Berliner Metallhuetten und Halbzeugwerke (EMH) VEB

Various reductions in the plans for the three works are made in order to allow for one Vacuum Smelting Plant in Werk I with a daily capacity of five tons of fine zinc in 1952, to be extended to ten tons capacity in 1953, and the increase in production of 180,000 coupling bearings (Verbundlager) in 1952 to 280,000 in 1953.

12. VVB Marsfeld Kombinat

The smelting of furnace pigs is not included in the planned total, but according to an assurance received from the State Planning Commission, it will be financed in the course of 1952 from state reserves; so plan drafting is to be carried out as quickly as possible.

13. Walzengiesserei Coswig, TVR MFW

The preliminary planned figure of 8,696 thousand DM has been cut by 2,478.7 thousand DM, involving various pieces of machinery.

14. Walzengiesserei Quedlinburg, VVB EFW

Investments have been postponed until 1953.

15. Ferrolegierungswerk Mueckenberg, VVB EFW

Instead of two 7500 KVA electric furnaces, only one will be built in 1952.

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	Comments:	50X1-HUM
(1.)	The construction at Calbe is presumably that at Eisenwerke West (VVB $\mathbb{E} \mathbb{F} \mathbb{W}$).	, Calbe/Saale 50X1-HUM
(3)	Presumably at the Schwermaschinenbau, VVB Abus, at Wildau.	
(4)	Semis probably refers to semi-steels which are metals of iron to between 1.8 and 2.2 per cent.	ype with carbon
(5)	The construction at Finow may have been intended at the Walzwer which has been described as planning construction. See under i Hoffmann & Motz	k Finow, VVB WZ, ts former name,
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Appendix

Planned Production Capacity Increase According to the 1952 Investment Plan (3 November 1951)

	Plant	1st and Capa final year		Capacity Increase			Capacity Increase		38e
		of the total project	unit	projected total	in previous year	in plan			
O.	senhuettenkombinat st, Fuerstenberg/ der, VVB NFW	1950~1955	1,000 tons p.a.						
8.	Blast furnaces, ore stocks and ore preparation	1950-1953	crude iron	900	360	360			
ď.	Steel works	1952-1954	crude steel	550		***			
С.	Rolling mili	1952-1955	thick and thin sheet metal	280					
	senwerke West, lbe, VVB FFW	1950-1955	1,000 tons p.a.						
			foundry pig iron	300	30	120			
Ma	xhuette, VEB	1949-1955	1,000 tons p.a.						
a.	Blast furnace work, including ore sintering	1949-1955	crude iron sinter material	265	115	125			
ъ.	Steel works	1949-1955	Thomas steel (molten)	250 280	250 110	10			
œ.	Rolling mill	1949-1955	Semis	380	375				
			"Sorteneisen"	250	156	· • !			
			Thick sheet metal	50	50	•			
			Lime	120	75	•			
t	and the state of t	No. of the property of the second of the sec	MW-E-Power	5.2	3.6				
	elstahlwerk ehlen, yEs	1949-1955	1,000 tons p.a.						
a.	Steel works plants	1949-1953	SM-Steel (molten)	26	26				
			E-Steel	74	10	20			
					and the second s				

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Plant		Plant	ist och Tig. yest		Capacity Increase			
			OL OFF	unit	projected total	in previous year	in plan year	
	b.	Rolling mill annealing and improving plants	1951, 4955	Semis .	- 60	-	60	
	c.	Iron foundry	1949 (19 55	Pressed and forged parts	13.5	4	2,2	
	đ.	Ancillary plants	1949-1955	-	•	-	•	
5.		ahl- und Walzwerk andenburg, VES		1,000 tons p.a.				
	a.	Steel works	1950-1954	SM-steel (molten)	840	560		
. 4	b.	Rolling mill	1975 - 175%	Semis	800	-	-	
				Profile steel	240	-	240	
				kolled wire	100	-	4	
				Strip steel	70	- -	- -	
				Welded tubes	50	-	-	
6.		anl- und Walzwork esa, YEB	1949-1955	1,000 tons p.a.				
	٤,	Steel works including steel	1989-1955	SM-steel	586	402	omenyment (i) – s filmencum myner (i) – tig (**) (yner(i)) – (i) Mei	
		casting plant		steel castings	12	12	-	
	b.	Bar iron rolling mill	1944-1953	Ear iron rude iron	200 180	200	180	
	c.	Tube plant	1949-1965	seamless tubes	102	-	32	
7.		ahl- und Walzwerk Deditz, VEB	1947-1935	1,000 tons p.a.				
	8.	Steel works and steel	1949 (1983	E-steel (molten)	175	160	15	
		casting plant		Mast steel	12	12	-	
	ъ.	Fittings works	1947-1955	Fittings	1.5	1.5	_	
	c.	Forges	1950-1955	Forged parts	50	5.5	27.6	

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	Plant	lst and final year		Caps	city Incre	ease	
		of the total project	unit	projected total	in previous year	in plan	
8.	Stahl- und Walzwerk Wilhelm Florin, Hennigsdorf, VEB	1947-1955	1,000 tons p.a.				
	a. Steel works and steel casting plant	1947 1954	SM-steel (molten) Cast steel	274 18	211 12	35	
	b. Welten Chill Mold Plant	1950-1954	Chill molds	24	24	t <u>&</u>	
	e. Rolling mill	1948-1955	Rolled steel	260	220	₹	
9.	Rupfer und Blechwalz- werk, Michael Wieder- kirchmer, Ilsewburg, VVB Vesta	1945-1955	1,000 tons p.a.				
			Thick sheet meta	al 47.8	28.8	19	
	4		Electrolytic copper	6.5	4	2.5	
1.0 ,	Leichtmetallwerke, Rackwitz, VEB	1949-1955	tons per year				
			Aluminum sheet	1,000	640	100	
			Aluminum wire	1,400	600	310	
			Phosphor-bronze	200	110	40	
			Aluminum mold castings	800	685	115	
		•	Magnesium mold castings	500	385	115	
11	Berliner Metall- huetten und Halbzeugwerke, VES	1949-1 955	tons per year				
	a. Werk I Smelting Works	- Parilly Albinote - Assemble designation of the second interests	Wire bars MS and "Tombak"	14,650	9,050	 	
	Vacuum smelting for fine zirc		Fine zinc	4,500	-	1,500	
	b. Werk II (Sewis)		Copper and MS tubes	2,100	1,500	_	
			Nonferrous wires	1,620	1,020	-	
			Norferrous	2,300	2,300		

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` \	Plant	lst and final year		Capa	city Incre	ease				
		of the total project	unit	projected total	in previous year	in plan year				
			1,000 pieces of coupling bearings	550	74	100				
	c. Werk III Special bronze		tons per year Non-ferrous mold castings	375	315	60				
			Special MS tubes and rods	296	144	-				
12,	Mansfeld Kombinat	1948-1955	1,000 tons p.a.	1,800	1,060	280				
	a. Sangerhaeuser Revier (sic)	1948-1955	н	620	40	120				
	b. Mansfelder Pig lead (?) (Mulde)	1949-1955	н	1,180	1,020	160				
	c. Rohhuetten (Rough Processing Plants)	1949~1955	1,000 tons p.a. "Minern Durchsatz"	1,200	1,000	200				
	d. Feinhuetten (Refining Plants)	1949-1955	1,000 tons p.a. Electrolytic copper	33	22	11				
	e. Kraftwerke (Power Plants)	1949-1955	MW	43	25	5				
	Considerable interest seems to be attached in official quarters to the extraction of cobalt from furnace slag produced at Mansfeld, as the process has allegedly led to discoveries concerning radio-active reactions. Research is being conducted by the construction office at Leuna.									
1.3 ,	Walzengiesserei Coswig, VVB EFW	1951-1953	tons per year Grey castings Cast iron	7,140	2,570	4,570				
			rollers	5,000	1,800	2,400				
14.	Walzengiesserei Quedlinburg, VVB FFW	1951 -1955	tons per year Grey castings Cast iron	3,000	500	postponed until 1953				
•			rollers	2,000	250	4				
15.	Ferrolegierungswerk Lippendorf, VVB EFW	1950-1955	1,000 tons p.a. Fe., Si. 45%	25.5	8.5	-				
			Fe. Mn, carb.	3.4	3.4	4				

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Plant 1st and final year		Capacity Increase					
	-	of the total project	unit	projected total	in previous year	in plan year	
16.	Ferrolegierungswerk Mueckenberg,VVB EFW	1951 -1 95 5	1,000 tons p.a. Fe., Si. 45%	32.8	8.5	8,5	
17.	Badeleben	1950-1955	1,000 tons p.a.				
	a. Mines Badeleben	1950-1955	iron ore	600	40	160	
	b. Mines Tanger- Niederung & West Priegnitz	1950-1955	iron ore	20	5	5	
	c. Ore preparation plant	1952-1954	Ingots	300	! 🚊	60	
18.	Saalfeld	1950 -1955	1,000 tons p.a.		V Cool	da ve	
	a. Schmiedefeld	1950-1955	iron ore	50	-	<u>-</u>	
	b. Wittmansgereuth	1950-1955	iron ore	36	÷	+	
	c. Eisenberg	1950-1955	iron ore	_	4	-	
	d. Kamsdorf	1950-1955	limestone with iron content	7	-	.	
	e. Schleiz	1952-1955	iron ore	240	-	-	
	f. Kuhschnappel	1952-1955	iron ore	?	-	-	
19.	Harzer Eisenerzgruben	1950-1955	1,000 tons p.a. iron ore Ferrous limestone	480	230	90	
		8 8		60	20	10	
	a. "Am Buechenberg" Elbingerode	1950-1955	iron ore	200	80	40	
	b. "Braunesumpf" Huettenrode	1950 - 1955	iron ore	250	150	50	
		-,,,	Ferrous limestone	60	20	10	
	c. Stahlberg near Neuwerk	1952-1955	iron ore	30	-	4	
20,	Eisenmanganersberg- werke Schmalkalden VVB EFW	1949-1955	1,000 tons p.a. iron ore	245	55	55	
21.	Walzwerk Willy Becker Kirchmoeser, VVB WZ	1949-1955	1,000 tons p.a.				
			bar steel Thick sheet	37	37		
	,		metal	56	56		

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Plant		lst and final year	Capacity Increase					
		of the total project		projected total	in previous year	in plan year		
22.	Walzwerk Burg, VVB WZ	1949-1953	1,000 tons p.a. Thin sheet	-1				
			metal of which: dynamo	24	23	1		
			sheet Transformer sheet	11	10	1		
23.	Blechwalzwerk	1949-1955	1,000 tons p.a.	14	3	~		
J +	Olbernhau, VVB WZ	±9 + 9- 1 977	Medium & fine sheet metal	30	17	5		
			of which: dynamo	18	9.3	5 2,7		
			Transformer sheet		0.7	2.3		
24.	Halbzeugwerk Auerhammer,VVB WZ	1949-1955	1,000 tons p.a. Rolled products (V.2.A)	1.45	0,05	0.325		
			Nonferrous rolled products	1.35	0,85	0,185		
25.	Rohr- und Kalt- walzwerk Chemnitz,	1949-1955	1,000 tons p.a. Cold strips	1.8	0.6	0.15		
	VVB_WZ		Precision steel tubes	2.1	0.5	1		
26.	Kaltwalzwerk Oranienburg,VVB WZ	1950-1953	1,000 tons p.a. Cold rolled products	3.5	2	0.8		
27.	Kaltwalzwerk Salzungen, VVB WZ	1959-1955	1,000 tons p.a. Unalloyed strip steel	2.94	1.5	0,2		
28.	Ziehwerk Lugau, VVB WZ		1,000 tons p.a. Drawn and scraped bar steel	24	2 <u>1</u> 4	_		
.9.	Ziehwerk' Delitzsch,VVB WZ	1950-1955	1,000 tons p.a. Drawn and scraped "Blankstahl"	36	16	3		
0.	Ziehwerk Brotterode,VVB WZ	1950-1955	Drawn and scraped bar steel	8	8	Ų,		
1.	Ziehwerk Berlin Schoeneweide,VVB WZ Berlin-Niederschoene	1951-1952 weide	Drawn and scraped bar steel	9 9	9	-		
2.	Bleiers, VVB Buntmetall, Freiberg	1949-1955	tons p.a.					

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	Plant	lst and final year		Capa	city Incre	ease	
		of the total project	unit	projected total	in previous year	in plan year	Carina
	a. Freiberg	-	Pb Concentrate Zn concentrate Pyrites	1,750 3,000 9,000	1,040 1,640 5,200	470 810 860	
	b. Brander Revier	1950-1955	Pb concentrate Zn concentrate Pyrites	4,670 5,400 13,000	-		
	c. Halsbrueckè	1949-1955	Pb concentrate	1,560	700	590	
	d. Kleinvoigtsberg		Pb concentrate	600	-	-	
33.	Zinnerz, VVB Buntmetall, Altenberg	1949-1955	tons p.a.	976	156	165	
	a. Altenberg	1949-1955	Sn content	726	141	165 、	-
	b. Sadisdorf	1949-1955	Sn content	250	15	-	
34.	Zinngrube Ehrenfriedersdorf VV8 Buntmetall	1949-1955	Sn content	120	90	30	,
35.	Wolfram-Zinnerz Zschorlau	1949-1955	tons p.a.			le c	
	a. Pechtelsgruen	1949-1955	WO3 content	45	12	5	_
	b. Zschorlau	1951-1955	WO3 content	24	-	, 6 <u>.</u>	
	c. Gottesberg	1949-1955	Sn content	20	14	1	
36.	Nickelerz Callenberg	1947-1955	1,000 tons p.a. Nickel ore	163.5	2	33.5	
37.	Autimon-Erzbergwerk Oberboelmsdorf VVB Buntmetall	1951-1955	tons p.a. Sb. content	35	35	~	
38.	Huettenwerk Halsbruecke, VVB Buntmetall	1949-1955	tons p.a. Electrolyte lead	6,000	-	1,500	
			Lead armatures	30	16	14	
			Pumps unit p.a.	20	10	10	
39•	Huettenwerk Muldenhuetten, VVB Buntmetall	1950-1955	1,000 tons p.a. Pb content SO ₃ content Zn	10 10,5 10	10 2.5	<u>.</u> 	

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		Plant	lst and final year	Capacity Increase					
		·.	of the total project	unit	projected total	in previous year	in plan year		
•	40.	Zignhuette Freiberg, VVB Buntmetall	1950-1955	tons p.a. Bearings metal	480	480	- postponed until 1953		
		bundme tarr.		Crude tin	200	-	4 ,		
				Pure tin	100	40	wide		
				Soldering tin	90	90	<u>.</u>		
	-			Slag wool	450	450			
-	41.	Nickelhuette Aue, VVB Buntmetall	1950-1952	tons p.a. Nickel Crude speiss basis 10% Ni. content raw material	900	600	300		
	42.	Metallschmelz-und Walzwerk Merseburg,	1949-1950	tons p.a. Aluminum foil	37 5 *	300	30		
		VVB Buntmetall		Armatures .	3 8	38	-		
	43.	Lautawerk near Spremberg	1952-1956	1,000 tons p.a. Smelting aluminum	45	-	~		